

Attorney Docket No.: MCP-0056  
Inventors: Gerald Soslau  
Serial No.: 10/029,611  
Filing Date: December 21, 2001  
Page 2

This listing of the claims will replace all prior versions and listings of claims in the application:

Listing of the claims:

Claim 1: (currently amended) A method for screening for compounds having anti-thrombotic/anti-platelet activity comprising:

- a) contacting platelets *in vitro* with a compound to be tested for potential anti-thrombotic/anti-platelet activity; and
- b) monitoring ~~the ability~~ activity of said compound to inhibit thrombin-induced platelet aggregation through inhibition of GP Ib, PAR-1 ~~or~~ and PAR-4 receptor binding, wherein the ~~ability to inhibit activity as an inhibitor of GP Ib, and PAR-1~~ or PAR-4 binding is indicative of anti-thrombotic/anti-platelet activity of the said compound.

Claim 2: (currently amended) A method for screening for compounds having anti-thrombotic/anti-platelet activity comprising:

- a) contacting platelets *in vitro* with a compound to be tested for potential anti-thrombotic/anti-platelet activity; and
- b) monitoring ~~the ability~~ activity of said compound to inhibit thrombin-induced platelet aggregation through inhibition

Attorney Docket No.: MCP-0056  
Inventors: Gerald Soslau  
Serial No.: 10/029,611  
Filing Date: December 21, 2001  
Page 3

of  $\alpha$ -thrombin,  $\beta$ -thrombin, ~~ex~~ and  $\gamma$ -thrombin pathways wherein the  
~~ability to inhibit~~ activity as an inhibitor of any of  $\alpha$ -thrombin,  
 $\beta$ -thrombin, or  $\gamma$ -thrombin pathways is indicative of anti-  
thrombotic/anti-platelet activity of the said compound.